METHOD OF PREPARING A PROTEIN ARRAY BASED ON BIOCHEMICAL PROTEIN-PROTEIN INTERACTION

ABSTRACT OF THE DISCLOSURE

5   A method of preparing a protein array based on biochemical protein-protein interaction is provided. An array of a first protein which comprises a PDZ domain is deposited on a substrate. A second protein, which comprises an amino acid sequence (S/T)-X-(V/I/L)-COOH (each hyphen represents

10   a peptide bond, each parenthesis encloses amino acids which are alternatives to one other, each slash within such parentheses separates the alternative amino acids, and the X represents any amino acid which is selected from the group comprising the twenty naturally occurring amino

15   acids), is applied to the first protein array. The amino acid sequence (S/T)-X-(V/I/L)-COOH of the second protein is bound to the PDZ domain of the first protein.